

ABSTRACT OF THE DISCLOSURE

The invention provides a process for curing powder coatings which makes it possible to fuse and cure powder coatings using NIR radiation and which gives rise to coatings having improved mechanical properties, improved flow and increased uniformity of surface gloss of the coating;

5 the process for curing powder coatings is characterized by fusing and curing the powder coatings with NIR radiation, which radiation spectrum is restricted by controlled filtration of the NIR radiation to a wavelength range of 250 to 3000 nanometres, preferably of 750 to 1800

10 nanometres, with the primary focus of the radiation being in the short wavelength range from 750 to 1200 nanometres.